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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:

November 6, 2006

JEFFREY A. COOK, RICHARD E SOLTIS, ALEX D. COLVIN and JESSY GRIZZLE

Serial No. : 10/705,436 Group Art Unit: 3748

Filed : November 10, 2003 Examiner: Tu Minh Nguyen

For : CONTROL APPROACH FOR USE WITH DUAL MODE OXYGEN  
SENSORCommissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450Approved for Entry  
11/27/2006

Sir:

TMN

RESPONSE TO FINAL OFFICE ACTION

These remarks are responsive to the Final Office Action mailed September 6, 2006. With entry of this amendment, claims 1-18 are pending. Applicants thank the Examiner for the courtesy extended in an Interview on November 6, 2006, and accordingly have attached an Interview Summary.

Claims 1-4, 7-14, 17 and 18 are rejected under 35 U.S.C. 102 (b) as being anticipated by Hamburg et al. (U.S. Patent 5,282,360). Claims 5, 6, 15 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hamburg et al. as applied to claims 1 and 12, in view of Schumacher et al. (U.S. Patent 6,116,021). Claims 1, 2, 6, 9, 10, 12 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kakuyama et al. (U.S. Patent 6,637,194) in view of Hamburg et al.

Applicants respectfully submit that the claim limitation "said linear indication being substantially linear across an entire range of air-fuel ratios from at least 12:1 to 18:1", which Hamburg was stated to teach, in all rejections and applying to independent claims 1, 9 and 12,

Page 1 - **RESPONSE TO FINAL OFFICE ACTION**  
Serial No. 10/705,436; Record ID 81090523